EXHIBIT

PAGE 33/46 * RCVD AT 8/9/2004 6:39:12 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/0 * DNIS:8729306 * CSID:202 737 3528 * DURATION (mm-ss):12-36

GENERAL INFORMATION

PRODUČT INDEX

BIOACTIVE PEPTIDES

BIOACTIV

MISCELLANEC				JUS PEPTIDES			MISCELLA			
PRODUCT NUMBER		us ş	PRODUCT NUMBER		UB S NE	UDUCT MBER				
)) A	Continuation of) UNIYLOID p-PROTEIN FRAGMENTS			(Continuation of) AMYLOID β-PROTEIN FRAGMENTS	_ _		Continuation of)			
		О µg 50.00 О µg 166.25 Lys-Giy-Ala-		The principles of the principl	A!	9304 ©	***************************************			
	Similar to A 5813, but produced by Sign Ref.: Yankner, B.A., et al., Science, 250 (1990), [131438-794] FW 4329.8	0, 279	A 5075	Fragment 31-85 1 mg 21 (Ile-IP-Gly-Let-Met) 5 mg 71 Accetate 875 mg 71 Minimum 95% mg mg	.00 (<u>es</u>	128 9	VPAMIN 500 µg (Cys-Asn-Cys-Lys-Ala-Pro-Gu-Thr- 1 mg 1 Ala-Leu-Cys-Ala-Arg-Arg-Cys-Gu- 5 mg 3 Gin-His-NH-) (Disulfida Bridges: 1—11; 3—15)			
	Fragment 1-40 100 Minimum 80% (HPLC) 500	μg 52.50 μg 175.00		Neurotoxic activity in brain tissue culture similar in that of fragment 1-40. Ref.: Penke, B., et al., Abstract P413, 13th Ameri Paptide Symposkun, Edmonton (1993). [149385-65-9] Carlin N.O. FW 545.7 (for free base)	ean .		From Bee Versom Minimum 95% (HPLC) Minimum 95% (HPLC) The only polyperide sewrotoxin that is known to the blood-brain barrier. Ref.: 1. Van Kletschoten, J., et al., Eur. J. Bioche 56, 35 (1975).			
	[STASE-79-4] WH 6329.8 THE THEORY OF THE STANFAST OF THE STAN		A 4950 ⊡∞2	Fragment 32-95 1 mg 51 (Re-Gly-Leu-Met) 5 mg 172 Achtette Safe Hillingum 95% (PPLC)	60	: .	 Hughes, M., et al., Proc. Nat. Acad. Sci. USA, 1308 (1962). FW 2027.3 			
	Tel. derebit (** en enchen		A 2326	[15] 151-30-3] C ₁₉ H _W N ₄ O ₉ S FW 432.6 (for free base)	1.50	183	POLIPOPROTEIN B 250 µg 5 FRAGMENT 3359-3372 AMIDE 1 mg 15 (ThrAng-Leu-Thr-Ang-Lys-Ang-Gly- Leu-Lys-Leu-Ale-Thr-Ale-Leu-Nita)			
825	Fragment 10-20 250		<u>-07</u>	(ValValGyGyVelMetLeu-Glyfic 500 µg 183 lie Ala GlyLys-Asn-Ser-Gly-Val-Asp Glu-Ala-Phe-Phe-ValLeu-Lys-Ght-His-His-Val-Glu-Tyr- Gly-Ser-Asp-His-Arg-Phe-Glu-Ala-Asp) Minimum 97% (MPLC)	75 		Ministrum 97% (HPLC) Atti-profferative peptide Refs.: Cerdin, A.D., et al., BBRC, 154, 741 (1968 [11704799-1] FW 1697.1			
	Peptide content: Apprex. 70% [152286-31-2] FW 1446.7			This is the inverted sequence of fragment 1-40. Ref.: Kowali, N.W., et al., Proc. Nat. Acad. Sci. US/		A	RG-GLY-PHE-PHE-TYR-THR-PRO-LYS-ALA See: Insulin Chain B Fragment 22-30 Page 1745			
<u>ਦ</u> ੀ	Fragment 12-28 (Val-His-His-Gin-Lys-Leu-Val-Pine-Pine-Alis-Gin-Asp-Val-Gly-Ser-Asa-Lys) Minimum 97% (HPLC) Smillar to A 8677, but produced by Sigmi	ив 42.00 ив 70.00 -	A 4316	88, 7247 (1991). (144409-99-4) FW 4329.8 1000 FW 4329.8 1000 FW 4329.8 250 µg 95. 1000 FW 9	10 (32)	152	RG-GLY-PRO-PHE-PRO-ILE 1 mg 1 Mindmum 90% (IP-LC) 5 mg 4 Sexual agglutination peptide Rel.: Acyagl, H., Experientia, 33, 870 (1977). [6456661-6] Cs-H ₂ N-N ₂ O ₇ FW 685.8			
	Ref.: Castano, E.M., et al., Biochem. Biop Commun., 141, 782 (1986). (107015-83-8) FW 1955.2	phys. Res.		Asp-Phe) Winimum 97% (HPLC) A cyclic peptide from Streptomyces coerdescens, competitive antagonist at atrial natriuretic factor (ANF) receptors.	A 2:	541)	RG-BB-PHE 1 mg 2 Discette Saft 5 mg 6			
æ1 ∣	Fragment 12-28 250 Minimum 97% (HELC) 500 (107015-63-8) FW 1955.2	ив 44.00 ив 73.50		Ref.: Weber, W., et al., J. Antibiot., 44, 164 (1991) [133658-45-4] FW 1871.0	4	A	[105931488] C ₂₁ H ₂ N ₁ O ₄ • 2C ₂ H ₄ O ₂ FW 578. RG-LYS-ASP-VAL-TYR 5 mg 2			
	(107015-83-8) FW 1955.2	A S	5061 5572	#EMONIA SULCATA TOXIN II, 100 µg 105.1 R.E. ISOTOXIN FOR Sigma (Glylle-Pro-Cys-Leu-Cys-Asp-Ser-Asp-Gy-Pro-Ser-Val-Arg-Gly-Asp-Thr-Leu-Ser-Gy-Reil Tip-Lau-Ala-Gly-Cys-Pro-Ser-Gly-Tip-His-Asp-Cys-Lys- Lys-His-Gly-Pro-Tin-He-Gly-Tip-Cys-Cys-Lys-Ghi Disuitfide Bridges: 4—44; 6—34; 27—45] Minimum 70% (MPLC)	U 1=25		(Thymopoletin II Fragment 32-36; 25 mg 107 TP-5) Acetate Salt Minimum 97% (HPLC) Active fragment of thymopoletin II Ref.: Goldstein, G., et al., Science, 204, 1309 (1979). [69558:550] C ₃₀ H _e N ₂ O, FW 679-8 (for free b			
		_		(143372525) FW 4948.7 160GENIN FRAGMENTS	A 20	AR 142	IG-LYS-GLU-VAL-TYR 5 mg 21 (Splenin Fragment 32-36; Spleno-25 mg 10; pentin; SP-5)			
4559 [空] (i	Fragment 25-35 250 µ (Gly-Ser-Asn-Lys-Gly-Ala-de-lic-Gly-1 m Leu-Met) Minimum 97% (HPLC)	ug 18.75 ng 52.50	9429	Ref.: Rybak, S.M., et al., Biochem. Blophys. Res. Commun., 162, 535 (1989). Fragment 108-122 500 µg 31.5		I I	Acetate Sait Minimum 97% (HPLC) Active fragment of bovine splenin Ref.: Goldstein, G., et al., Proc. Net. Acad. Sci. U BJ., 2847 (1984).			
F F n	Peptide centent: Approx. 70% Furictional domain of p-amyloid required to neurotrophic and neurotoxic effects Ref.: Yanker, B.A., et al., Sciance, 250, 2	or both	į	Glu-Asr-Gly-Leu-Pro-Val-His-Leu- I mg 52.5 Asp-Gin-Ser-Be-Pre-Arg-Arg) 5 mg 175.0 Minimum 97% (1994.C) Abibits the enzymatic and blological activity of	' —	AP	(105184-37-0) C ₅₁ H ₀₁ N ₀ 0 ₉ FW 693.8 (for free base)			
- ([131402-53-4] FW 1060,3	I		angiogenh 1121734967 FW 1781.0 SVR:USPTO-EFXRF-1/0* DNIS:8729306* CS		91 J	Minimum 97% (HPLC) 1 mg 3			

PEPTI	DES

<u>-</u>	P IIUE9		
T			USS
AL	A-LEU-LEU-THR-LEU-VAL- SER	1 mg 5 mg	16.50 55.00
•	Minimum 90% (HPLC) Inhibitor of the sex pheromone cPD	1 of Strept	ncôc-
	cus faecalis. Ref.: Mori, M., et al., J. Bacturiol., : (1987).		ī
	[120116565] C39HzzN6011 FW		
A) D	HYP-THR-TYR-LYS	500 µg 1 mg 5 mg	64.80 108.00 360.00
	Minimum 97% (HPLC) Bioadhesive peptide	_	
	Bicadhesive peptide Ref.: Swerdloff, M.D., Int. J. Peptid 33, 318 (1989).	e Protecn I	(65.,
	[119106-85-3] FW 1183.3		
A	LA-PRO-ARG-LEU-ARG-PHE-TYR	1 mg	19.85
58	(a-Bag Cell Peptide 1-7) Minimum 97% (HPLC)	5 mg	66.15
	Peptide content: Approx. 70%		
	Peptide contents Approx. 70% Ref.; Rothman, B.S., et al., Proc. N USA, 80, 5753 (1983).	lat. Acad.	SCL
	[87549-54-0] C44H67N11-0, FW 9	22.1	
A	LA-PRO-ARG-LEU-ARG-PHE TYR	1 mg	20.95
88	SER	5 mg	69.85
	(o.Bag Cell Peptide 1-8) Minkmum 97% (HPLC)		
	Peptide content: Approx. 70%	Jat. Acad.	Sci.
	Minimum 97% (HPLC) Peptide content: Approx. 70% Ref.; Rothman, B.S., et al., Proc. N USA, 80, 5753 (1983) USA, 80, 584 1000 2	196 76801	0011
	[8754953-9] FW 1009.2		
	LA PRO ARG-LEU-ARG-PHE-TYR-	1 mg	22.05 73.50
80	SER-LEU (a-Bag Cell Peptide 1-9)	5 mg	73.30
	48-4-4 078/ (UDI (1)		
	Paptide content Approx. 70% Ref.: Rothman, B.S., et al., Proc. I USA, 80, 5753 (1983).	Nat. Acad.	Scl.
	USA, 80, 5753 (1983).		
	[87349324] FW 1122-3		
4 18	LA-PRO-CLY-PRO-ARG Minimum 97% (HPLC)	ىب 500 1 mg	14.40 26.00
01	Colloase activation peptide	5 mg	93.00
	Ref.: Erlanson-Albertsson, C. and	nace ee	arr)
	Larsson, A., Regulatory Peptides, (17830-79-2) C ₂₁ H ₂₈ N ₂ O ₄ FW	496.6	.5001.
Д	LA-PRO-GLY-TRP-MH2	1 mg	15.00
13	Acetate Sait	5 mg	50.00
	Minimum 97% (HPLC) Neurotransmitter paptide involved	25 mg	200.00
	with snail reproduction		
	Ref.: Minakata, H., et al., Comp. B 100C, 565 (1991). [144110-40-7] C ₂₁ H ₂₈ N ₆ O ₄ FW	locrem. P	nysioi.,
	[144110-40-7] C2H2NO FW	428.5 (for	free
	base)		
	LA-SER-HIS-LEU-GLY-LEU-ALA-	250 дд	13.60
51	ARG (Anaphylatoxin C3a Fragment 70-	1 mg 5 mg	31.60 100.00
	77)		
	Minimum 97% (HPLC) Ref.: Hugli, T.E. and Erickson, B.W Sci. USA, 74 , 1826 (1977). [63555-63-5] C ₃₆ H ₀ N ₁₈ O ₁₀ FW	/., Proc. N	at. Acad.
	Sci. USA, 74, 1826 (1977).	,	
, A	LA-SER-THR-THR-THR-ASN- 3,5-DB0000-TYR-THR	250 µg	17.69
00	(F3 5-Diindo-Tvr?)-Peolide Ti	1 mg 5 mg	49.00 196.00
	Minimum 97% (HPLC)	.	
	[128551-40-6] FW 1109.7		

How to use price list - page 2.

MISCELLANEOUS PEPTIDES

		ISCEL	TATAE	OUS F	EP IDE\$		
PRODUCT NUMBER			US S	PRODUCT			us
A 2297	NLA-SER-THR-THR-THR-ASN-TYR- THR (Peptide T) Acetate Sair Ministem 97% (HPLC) HV inhibitor. Ref.: Pert. C.B., et al., Proc. Nat. 1 83, 9254 (1986). [104364327] C ₁₅ H ₈ N ₉ O ₁₆ FW	1 mg 5 mg Acad. Sci.	USA,	A 6575	ALLATOSTATIN B. (Ala-Tyr-Sar-Tyr-Val-Ser-Giu-Tyr-Lys-Arg-Lau-Pro-Val-Tyr-Asn-Phe-Giy-Leu-Nit-) Cockroach Minimum 97% (HPLC) Ref.: Proc. Natl. Acad. Sci. USA, 3 [134760-78-4] FW 2168.5	250 µg 1 mg 88, 2412 (43.00 119.40 1991).
A 2422	hase) ALA-SER-THR-THR-ASN- TYR-THR AMIDE (In-Ala's Peptide T amide) Acetatis Sait Minimum 87% (HPLC) HIV inhibitor. Ref.: Pert, C.B., et al., Proc. Nat. A 83, 9254 (1986). [100362-349] Captig NoOls FW base)	250 µg 1 mg 5 mg 4ced. Sci. 856.9 ffo	16.10 40.00 150.00 USA,	A 1686	ALLATOTROPM (Gly-Phe-Lys-Asn-Val-Glu-Met-Met- Thr-Na-Arg-Gly-Phe-Nit-) Manduca seate Minimum 97% (BPLC) Peptide content: Approx. 70% Novel neurohormone which stimuli juvenile hormone from the corpora Ref.: Kataoka, H., et al., Science, (1989). (120928-88-3) FW 1486.8	allata in vil	tro.
A 7185	LA-LYS(TFA)-PRO-SER-TYR- HYP-HYP-THR-TYR-LYS Minimum 97%, (HPLC) Bioadhesive peptide Rvf.: Swerdloff, M.D., kt. J. Peptid 33, 318 (1989), [123383-202] FW 1279.3	500 µg 1 mg 5 mg e Protein f	64.60 108.00 360.00 Res.,	, A	Sec. Enzyme Inhibitors Page 1097	•	
A 7555	(12353222) TW 1279.3 LDOSTERONE SECRETION INHIBITING FACTOR (1-35) Bovine (ASIF; All-Leu Arg-Gly-Pro-Lys-Met- Met-Arg-Asp-Ser-Gly-Cys-Phe-Gly-An Illo-Gly-Ser-Leu-Ser-Gly-Lau-Gly-Cys- Arg-Try)	50 µg 100 µg 500 µg g-Arg-Leu- \sn-Val-Le	34.05 56.70 189.00 Asp Arg- u-Arg-	A 4563	AMYLIN FRAGMENT 8-37 (Ala-Tir-Gin-Ay-Leu-Ala-Asn-Phe- cu-Val-His-Ger-Ger-Asn-Asn-Phe- Gly-Ala-He-Leu-Ser-Ser-Tir-Asn-Val- Tyr-NH ₂) Human; Missimus 90% (HPLC) [135702-23-7] FW 3183.5	100 µg 500 µg Gly-Ser-Asn	39.40 131.25 I-Thir
	Disulfide Bridge: 13—29] Minhmum 97% (HPLC) Occurs with bovine adrenal ANF in brain cells and competes more strongly than porcine BNP for bovine adrenal ANF receptors. Ref.: Nguyen, T.T., et al., Endocrinology, 124, 1991 [1989]. [12024906-1] FW 3910.6			A 4309 □350	UNIVLOID P.PROTEIN FRAGMENTS [Gin ¹¹]-Fragment 1-16 (ASD-A'a-Giu-Phe-Arg-His-Asp-Ser- Giy-Tyr-Gin-Val-His-His-Gin-Lys) Minimum 97% (IPPL) [133605-53-5] FW 1954.0	100 mg 500 mg	15.75 52.50
Sequence: acids.	ALLATOSTATINS of juvenile harmone synthesis. s are highly conserved within the six of t			A 0184	Fragment 1-28 (Asp Ala-Glu-Fite-Arg-His-Asp-Ser- Gly-Tyr-Glu-Vel-His-His-Glu-Lys-Leu- Val-Phe-Fite-Ala-Glu-Asp-Vat-Gly-Ser- Minimum 97% (APL) [109770-29-8] FW 3262-5		37.80 120.00
R 9929 ⊒∞□	[Ala-Pro-Ser-Gly-Ala-Gin-Arg-Leu- Tyr-Gly-Phe-Gly-Leu-NH ₀] Minimum 95% (HPLC) [123338-10-3] FW 1335.5		23.50 39.20 156.80	A 1434 □33	[Gin ¹⁸]-Fragment 1-28 (Asp-Ala-Glu-Phe-Arg-His-Asp-Ser- Gly-Tly-Gin-Val-His-His-Cin-Lys-Leu- Val-Pin-Phe-Alg-Gly-Asp-Val-Gly-Ser- Minimum 97% (HPLC)	Asn-Lys)	39.40 131.25
1 9804 ≟∞©	(Giy-Asp-Giy-Arg-Leu-Tyr-Alq-Phe- Giy-Leu-NH ₂) Minimum 97% (HPLC) [123338-11-4] FW 1067.2	500 µg I mg 5 mg	20.60 34.30 137.20		Ref.: Casteno, E.M., et al., Biochen Commun., 141, 782 (1986). Whitson, J.S., et al., Science, 243, [10068661-7] FW 3261.5	1488 (198	9).
1 9679 	(Gly-Gly-Ser-Leu-Tyr-Ser-Phe-Gly- .eu-NH ₂) Minimum 97% (HPLC) [123338-12-5] Cu ₂ H ₅₂ N ₁₀ O ₁₂ FW 8	99.0		<u>-ਰਵੀ</u>	Fragment 1-38 Kasp-Alo-Glu-Phe-Arg-His-Asp-Ser- Gly-Tyr-Glu-Val-His-His-Gla-Lys-Leu- Val-Phe-Phe-Ala-Clu-Asp-Val-Gly-Ser- He-He-Gly-Leu-Met-Val-Gly-Gly Roff.: Yankner, B.A., et al., Science,	Asn-Lys-Gly	47.25 157.50 Ala-
9554 (Asp.Arg.Lev-Tyr-Ser-Phe-City-Lev- VH ₂) Minimum 97% (HPLC) 123338-19-0), Co ₂ H ₆₈ N ₁₈ O ₁₂ FW 90	00 µg 1 mg 5 mg	24.50 98.00		(1990). Maltson, M.P., et al., J. Neurosci., 1 [131438-749] FW 4131.6	2, 376 (19	92). inued)

Bulk quantities available through SAF Bulk Chemicals - see page 13.